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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| HADE Application of: Hafeez |) | |
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| |) | Patent Pending |
| Serial No.: 10/698,206 |) . | - |
| |) | Examiner: Not Yet Assigned |
| Filed: October 31, 2003 |) | |
| |) | Group Art Unit: 2681 |
| For: Method and Apparatus for Multi-User |) | |
| Interference Determination and Rejection |) | Confirmation No.: 9982 |
| |) | |
| Attorney's Docket No.: 4015-5097 |) | |
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Raleigh, North Carolina November 9, 2004

MAIL STOP AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA. 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. 1.56, counsel wishes to make of record the attached items of information for the Examiner's consideration in connection with this application. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office mailed August 4, 2004. Also enclosed are Forms PTO/SB/08A and PTO/SB/08B for the Examiner's convenience in making such consideration of record. Inclusion herein of any particular item of information is not to be construed as an admission that same is prior art.

This IDS is being submitted before any action on the merits. As such, no fee should be required. However, the Commissioner is hereby authorized to charge any fees that may be required or credit any overpayment to Deposit Account 18-1167.

Respectfully submitted,

COATS & BENNETT, PLLC

By:

Michael D. Murphy Registration No. 44,958

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CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS DOCUMENT IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE ON NOVEMBER 9, 2004 AS FIRST-CLASS MAIL, IN AN ENVELOPE ADDRESSED TO: MAIL STOP AMENDMENT, COMMISSIONER FOR PATENTS, PO BOX 1450, ALEXANDRIA, VA. 22313-1450.

Name of Depositor Karen S. Schuller Signature

Date of Signature November 9, 2004

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

| Cubatituta far far | INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Sheet 1 of 2 | Complete if Known | | | |
|--------------------|---|-------------------|---------------|------------------------|----------------------|
| Substitute for for | III 1449/P1O | | | Application Number | 10/698206 |
| | | N DIO | | Filing Date | October 31, 2003 |
| | | | | First Named Inventor | Hafeez |
| ST | | | | Art Unit | |
| | (Use as many sheets as necessary) | | Examiner Name | | |
| Sheet | 1 | of | 2 | Attorney Docket Number | 4015-5097/P17062-US1 |

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| U. S. PATENT DOCUMENTS | | | | | | |
|------------------------|--------------|--|--------------------------------|--|---|--|
| Examiner Initials* | Cite No.1 | Document Number Number-Kind Code ^{2 (f known)} | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | |
| | 1 | US- 5,995,499 | 11-30-1999 | Hottinen et al. | | |
| | 2 | US- 6,304,618 B1 | 10-16-2001 | Hafeez et al. | | |
| | 3 | US- 2002/044614 A1 | 04-18-2002 | Molnar et al. | | |
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| | | FC | REIGN PATENT DOC | UMENTS | | |
|--------------------|-------------|--|-----------------------------|--|---|----------------|
| Examiner Initials* | Cite No. | Foreign Patent Document Country Code ³ –Number ⁴ –Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | 4 | WO 96/11534 | 04-18-1996 | Nokia Telecommunications OY | | |
| | 5 | WO 99/05832 | 02-04-1999 | Ericsson Inc. | | |
| | 6 | EP 1311093 A1 | 05-14-2003 | Telefonaktiebolaget LM Ericsson | | |
| | | | | | | |
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| Examiner Signature | Date Considered | |
|-----------------------|--------------------|--|
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional).
2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.
3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND** TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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o a collection of information unless it contains a valid OMB control number.

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|-------------------|---|-------------------|---------------|------------------------|----------------------|
| Substitute for 10 | m 1449/P10 | | | Application Number | 10/698206 |
| | -00144716 | N DIGG! | 001105 | Filing Date | October 31, 2003 |
| | | | | First Named Inventor | Hafeez |
| ST | STATEMENT BY APPLICANT | | | Art Unit | |
| | (Use as many sheets as necessary) | | Examiner Name | | |
| Sheet | 2 | of | 2 | Attorney Docket Number | 4015-5097/P17062-US1 |

| NON PATENT LITERATURE DOCUMENTS | | | | | |
|---------------------------------|--------------------------|--|----------------|--|--|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | | |
| | 7 | WALES, "Technique for Co-Channel Interference Suppression in TDMA Mobile Radio Systems," IEE Proceedings: Communications, April 1995, pp. 106-114, Vol. 142, No. 2. | | | |
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| Examiner Signature | | Date Considered | <u></u> | | |

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.